T07250 "25225960

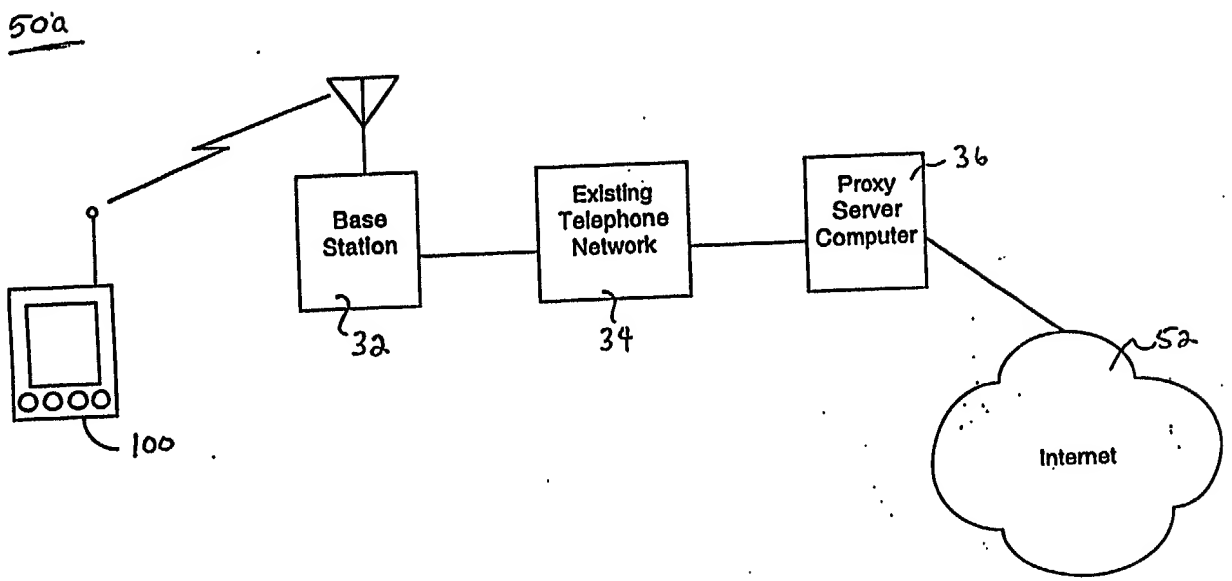

FIG. 1A

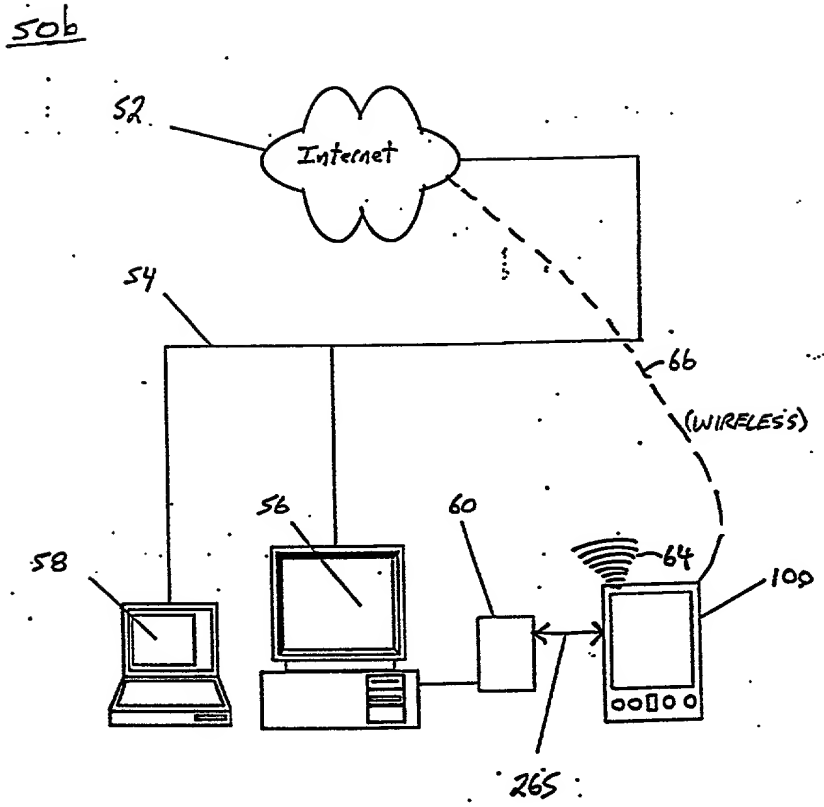

FIG. 1B

TOTAL PAGES

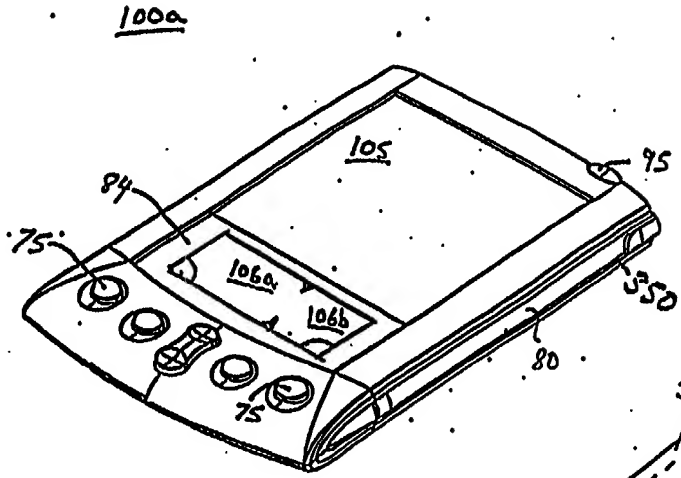

FIG. 2A

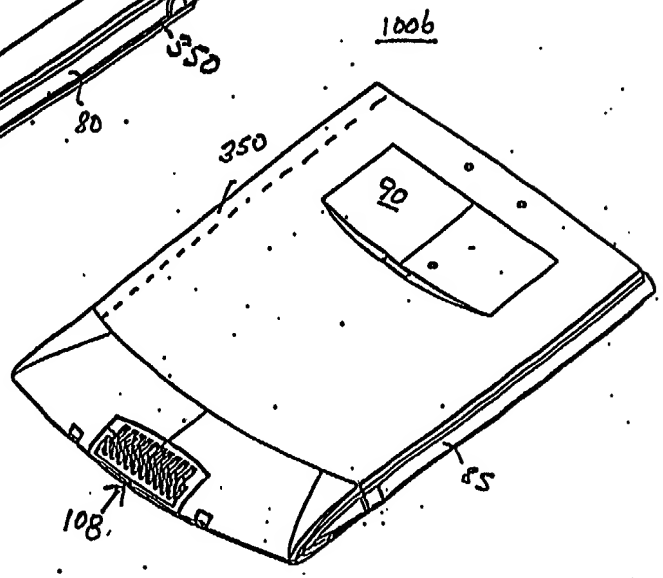

FIG. 2B

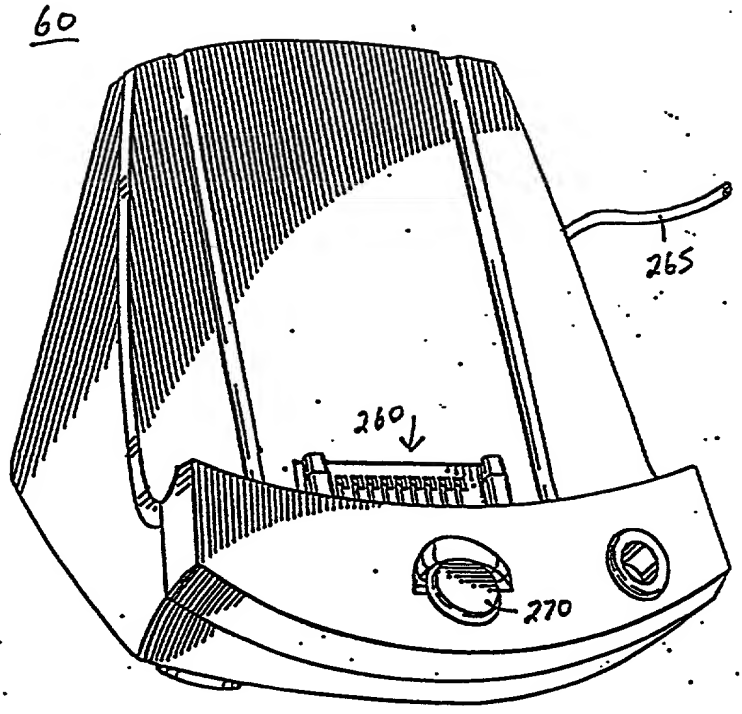

FIG. 3

Patent Application Publication

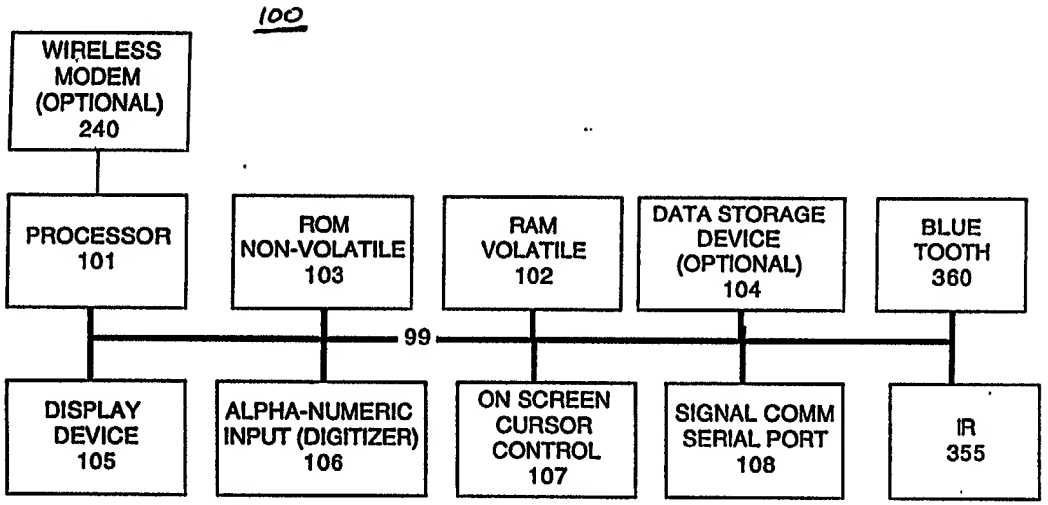

FIG. 4

STAEDTLER® No. 937 811E Engineer's Computation Pad

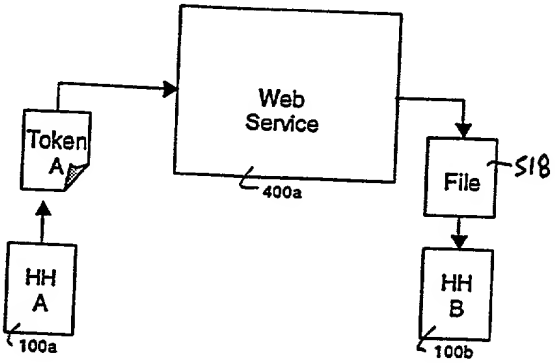

FIG. 5A

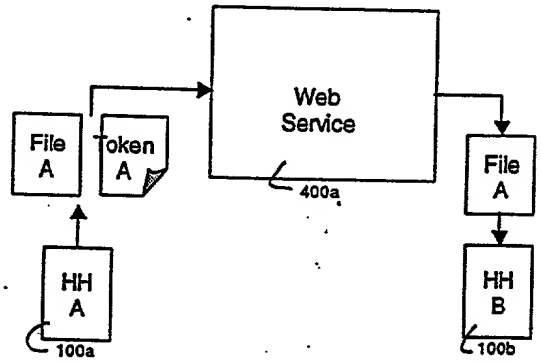

FIG. 5B

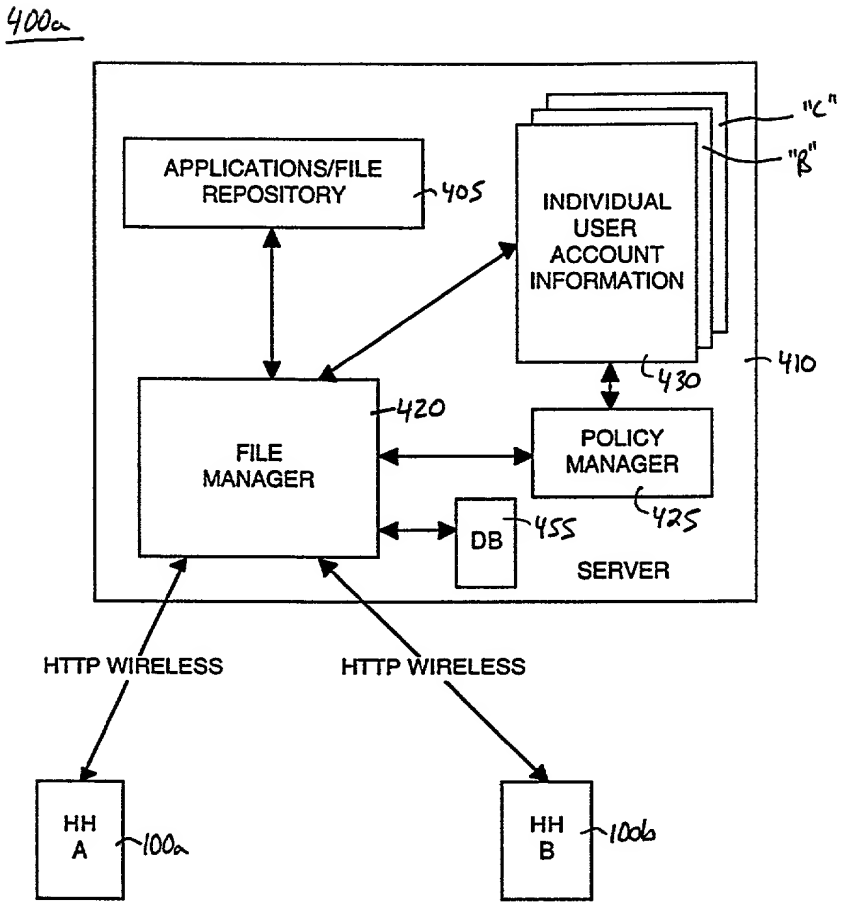
400a
APPLICATIONS/FILE REPOSITORY
405
INDIVIDUAL USER ACCOUNT INFORMATION
"C"
"B"
410
430
FILE MANAGER
420
POLICY MANAGER
425
DB
455
SERVER
HTTP WIRELESS
HTTP WIRELESS
HH A
100a
HH B
100b

FIG. 6A

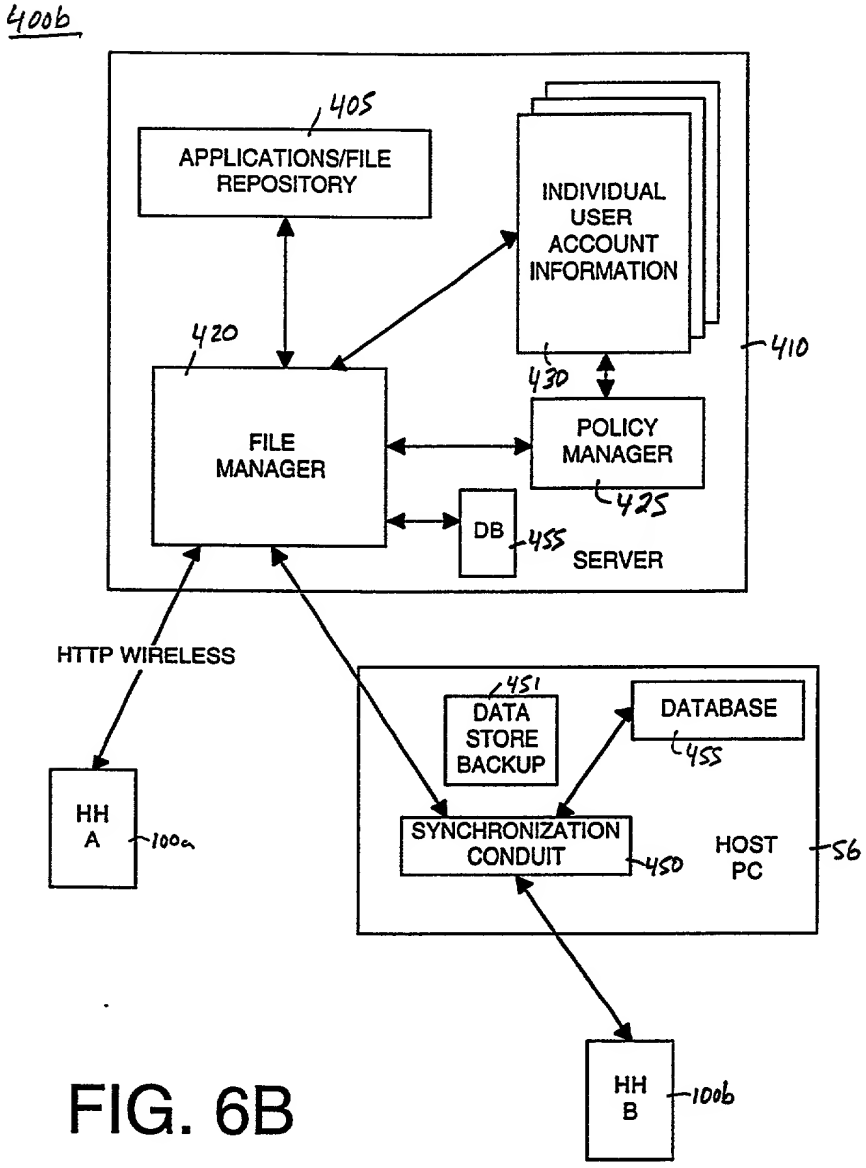
400b
405
APPLICATIONS/FILE REPOSITORY
INDIVIDUAL USER ACCOUNT INFORMATION
420
410
430
FILE MANAGER
POLICY MANAGER
425
DB
455
SERVER
HTTP WIRELESS
451
DATA STORE BACKUP
DATABASE
455
HH A
100a
SYNCHRONIZATION CONDUIT
450
HOST PC
56
HH B
100b

FIG. 6B

APPLICATION VERSION RECORD TABLE:

USER ID	APP NAME	CURRENT VERSION ON HH	CUR. VER. AVAIL. ON SERVER	DESCRIPTION	FILE LOCATION ON SERVER
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
N	N	N	N	N	N

510 511 512 513 514 515

430a

FIG. 7A

510 UserID	511 FileName	514 Description	512 Version on Handheld	513 Current Version	515 File Record
TOM	Chess	Chess game	1.1	1.1	C:/files/games /chess1.1.prc
JOE	Chess	Chess game	0	1.1	C:/files/games /chess1.1.prc

430a

FIG. 7B

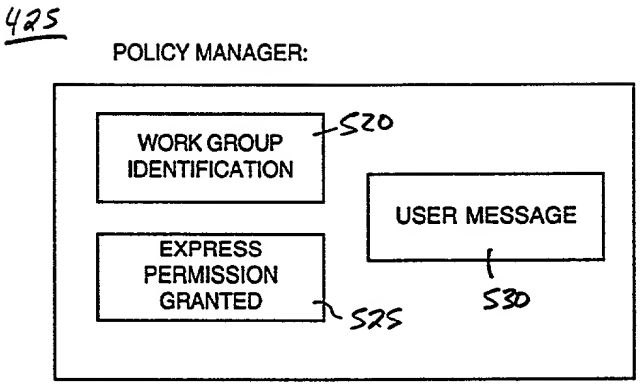
425
POLICY MANAGER:
WORK GROUP IDENTIFICATION
520
USER MESSAGE
EXPRESS PERMISSION GRANTED
525
530

FIG. 7C

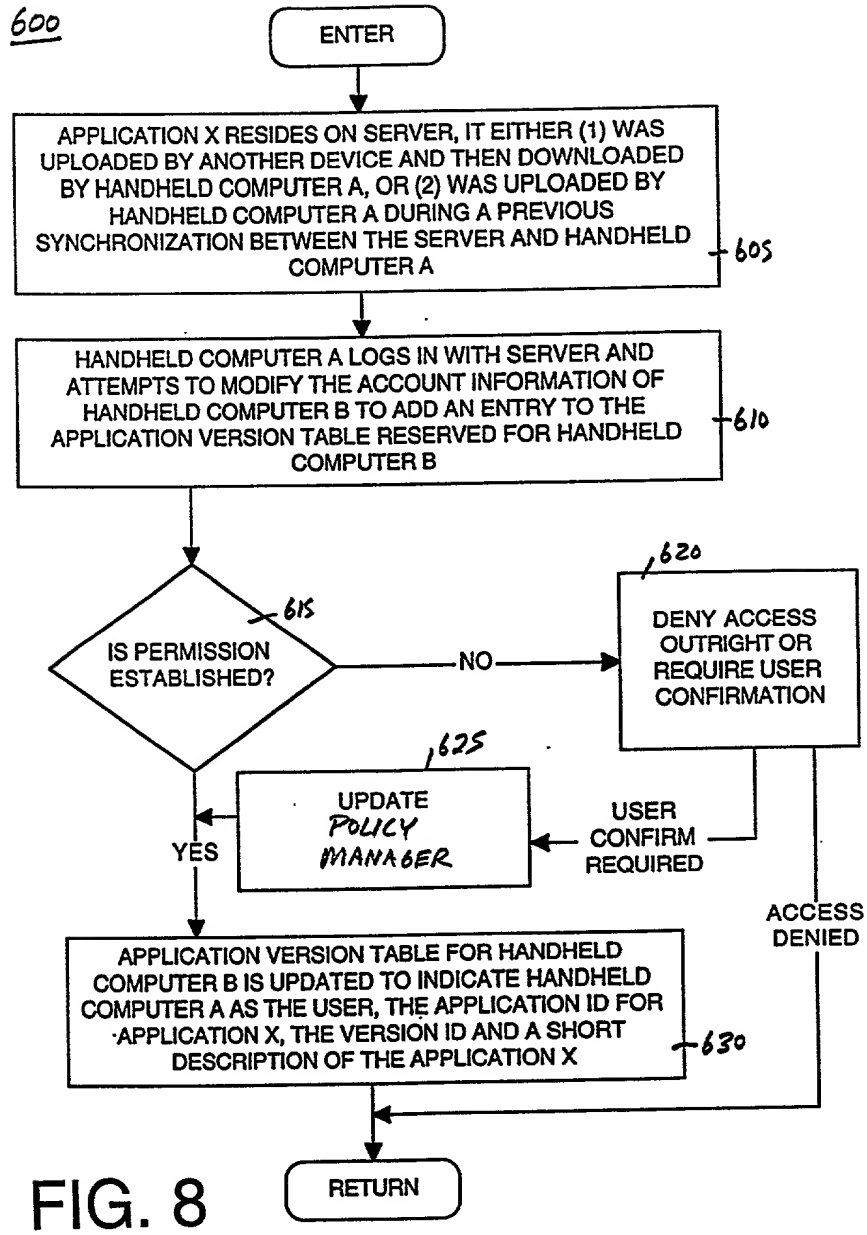
600
ENTER
APPLICATION X RESIDES ON SERVER, IT EITHER (1) WAS UPLOADED BY ANOTHER DEVICE AND THEN DOWNLOADED BY HANDHELD COMPUTER A, OR (2) WAS UPLOADED BY HANDHELD COMPUTER A DURING A PREVIOUS SYNCHRONIZATION BETWEEN THE SERVER AND HANDHELD COMPUTER A
605
HANDHELD COMPUTER A LOGS IN WITH SERVER AND ATTEMPTS TO MODIFY THE ACCOUNT INFORMATION OF HANDHELD COMPUTER B TO ADD AN ENTRY TO THE APPLICATION VERSION TABLE RESERVED FOR HANDHELD COMPUTER B
610
IS PERMISSION ESTABLISHED?
615
NO
620
DENY ACCESS OUTRIGHT OR REQUIRE USER CONFIRMATION
625
UPDATE POLICY MANAGER
USER CONFIRM REQUIRED
YES
ACCESS DENIED
APPLICATION VERSION TABLE FOR HANDHELD COMPUTER B IS UPDATED TO INDICATE HANDHELD COMPUTER A AS THE USER, THE APPLICATION ID FOR APPLICATION X, THE VERSION ID AND A SHORT DESCRIPTION OF THE APPLICATION X
630
RETURN

FIG. 8

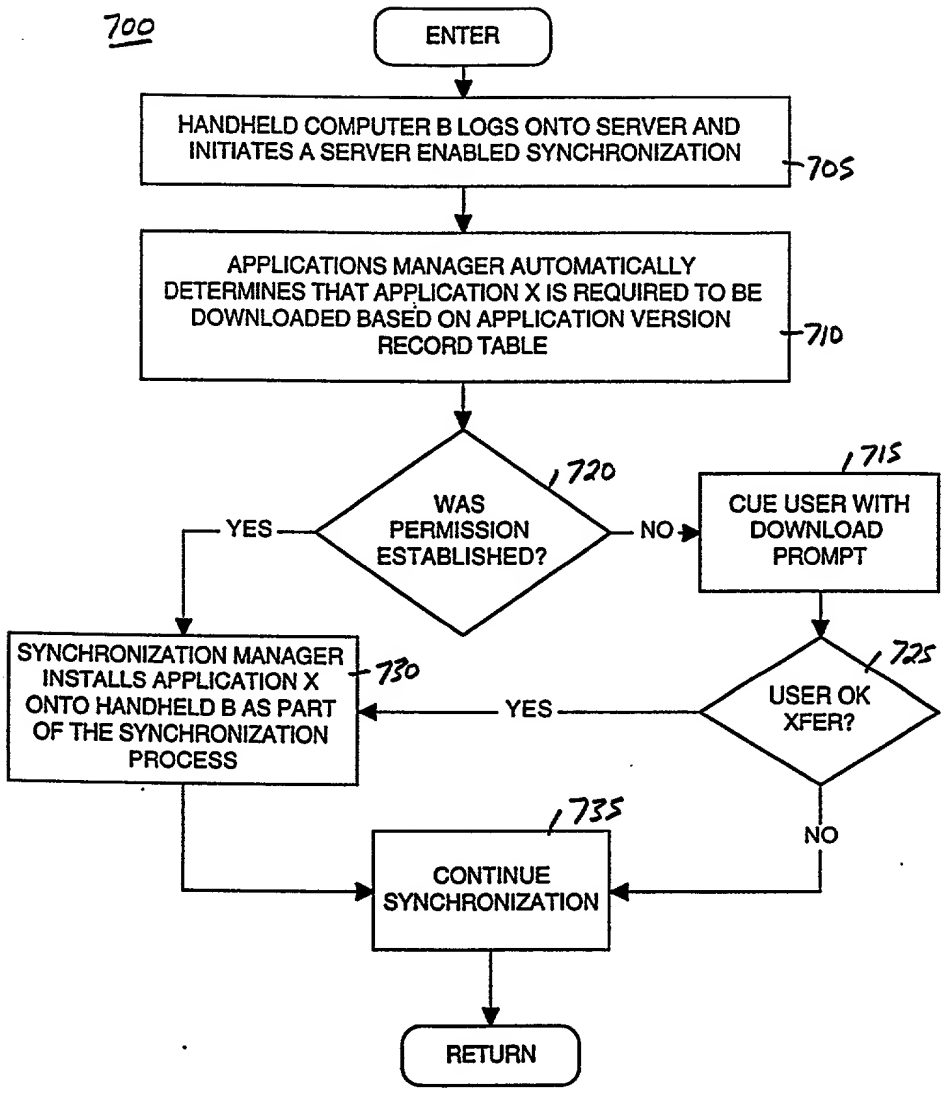
700
ENTER
HANDHELD COMPUTER B LOGS ONTO SERVER AND INITIATES A SERVER ENABLED SYNCHRONIZATION
705
APPLICATIONS MANAGER AUTOMATICALLY DETERMINES THAT APPLICATION X IS REQUIRED TO BE DOWNLOADED BASED ON APPLICATION VERSION RECORD TABLE
710
WAS PERMISSION ESTABLISHED?
720
YES
NO
CUE USER WITH DOWNLOAD PROMPT
715
USER OK XFER?
725
YES
NO
SYNCHRONIZATION MANAGER INSTALLS APPLICATION X ONTO HANDHELD B AS PART OF THE SYNCHRONIZATION PROCESS
730
CONTINUE SYNCHRONIZATION
735
RETURN

FIG. 9

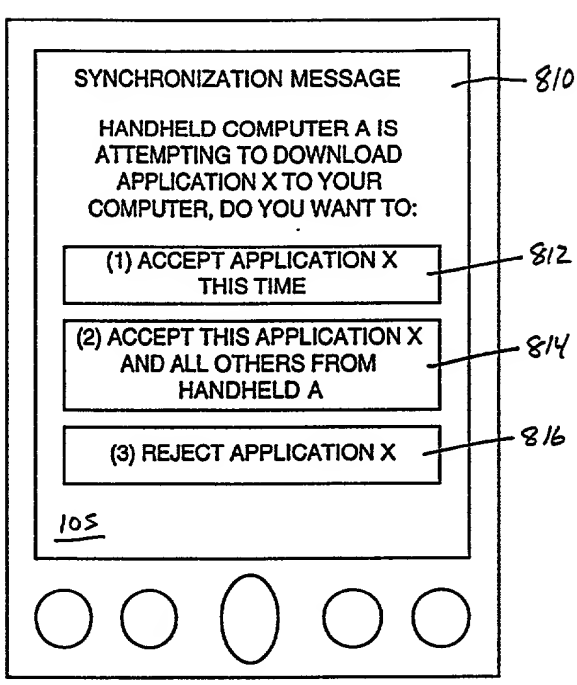
100b
SYNCHRONIZATION MESSAGE
810
HANDHELD COMPUTER A IS ATTEMPTING TO DOWNLOAD APPLICATION X TO YOUR COMPUTER, DO YOU WANT TO:
(1) ACCEPT APPLICATION X THIS TIME
812
(2) ACCEPT THIS APPLICATION X AND ALL OTHERS FROM HANDHELD A
814
(3) REJECT APPLICATION X
816
105

FIG. 10

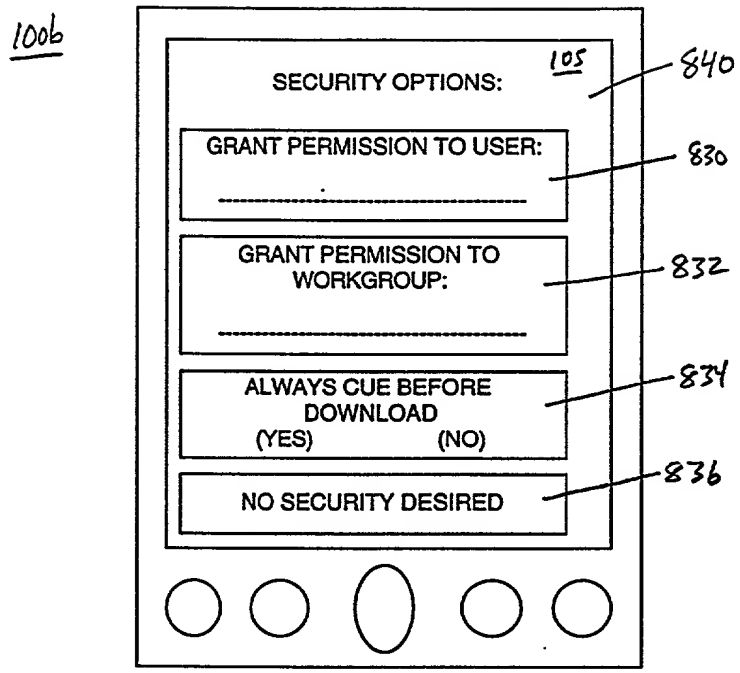
100b
SECURITY OPTIONS:
105
840
GRANT PERMISSION TO USER:
830
GRANT PERMISSION TO WORKGROUP:
832
ALWAYS CUE BEFORE DOWNLOAD
(YES) (NO)
834
NO SECURITY DESIRED
836

FIG. 11